I Claim:

- A method of making an eyeglass capable of compensating low and 1.
- high order aberrations, the method comprising the steps of: 2

imaging the patient's exe in order to determine a wavefront

4 prescription:

selecting a first lens;

coating said first lens with epoxy; and

curing said epoxy on said first lens to match said wavefront

prescription.

2. The method of claim 1 further comprising the steps of:

2 selecting second lens; and

placing said second lens on said coated surface such that said epoxy is

sandwiched in between the two lenses.

3. A lens comprising:

2 a constant index of refraction area; and at least one varying index of refraction area.

> 4. The lens of claim 3 wherein said varying index of refraction area lies

along the optical axis of the patient and corrects higher order aberrations. 2

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The lens of claim 3 formed with a plurality of zones comprising areas 5. of varying index of refraction on the lens, and wherein each zone lies along 2 the optical axis of the patient for a gazing angle and corrects higher order aberrations for a first discrete gazing angle.

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The lens of claim 3 wherein said varying index of refraction lies along 6. the optical axis of the patient and corrects higher order aberrations for a first discrete gazing angle, and wherein said constant index of refraction lies along the said optical axis of the patient and corrects lower order aberrations for a second discrete gazing angle.

7. The lens of claim 3 wherein said constant index of refraction area corrects for the distant vision, and plurality of zones comprising areas of varying index of refraction on the lens, each zone corrects for the near vision

for the patient. 4

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8. The lens of claim 3 wherein said varying index of refraction is constructed so as to correct higher order aberrations resulting from damaged retinal tissue.

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